


Omega UM 1K-12	Main Features
	<ul style="list-style-type: none"> • Pure sine wave solar inverter. • Output power factor 1. • Selectable high power charging current. • Wide DC input range. • Selectable input voltage range for home appliances and personal computers. • Configurable AC/Solar input priority via LCD setting. • Compatible with mains voltage or generator power. • Auto restart while AC is recovering. • Overload and short circuit protection. • Smart battery charger design for optimized battery performance. • Cold start function. • Optional anti-dusk kit.

MODEL	Omega UM 1K-12
Rated Power	1000 VA / 1000 W
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170 - 280 VAC (For Personal Computers); 90 - 280 VAC (For Home Appliances)
Frequency Range	50 / 60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230 VAC \pm 5%
Surge Power	2000 VA
Efficiency (Peak)	90 - 93%
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	12 VDC
Floating Charge Voltage	13.5 VDC
Overcharge Protection	16 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Open Circuit Voltage	102 VDC
Maximum PV Array Power	500 W
MPPT Range @ Operating Voltage	17 ~ 80 VDC
Maximum Solar Charge Current	40 A
Maximum AC Charge Current	20 A
Maximum Charge Current	60 A
PHYSICAL	
Dimension, D x W x H (mm)	88 x 225 x 320
Net Weight (kg)	4.4
Communication Interface	USB / RS232
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

Product specifications are subject to change without further notice.

